

SEQ ID NO: Sequence

- 1 *Rana pipiens* liver ribonuclease cDNA (RaPLR1)
- 2 *Rana pipiens* liver ribonuclease amino acid (RaPLR1)
- 3 *Rana pipiens* ribonuclease cDNA with Met23Leu
(recombinant RaPLR1 Met 23Leu)
- 4 *Rana pipiens* ribonuclease amino acid with Met23Leu
(recombinant RaPLR1 Met 23Leu)
- 5 *Rana pipiens* ribonuclease cDNA with Met at position 1
(recombinant Met(-1) RaPLR1)
- 6 *Rana pipiens* ribonuclease amino acid with Met at position 1
(recombinant Met(-1) RaPLR1)
- 7 *Rana pipiens* ribonuclease cDNA with Met at position 1 and Met24Leu
(recombinant Met(-1) RaPLR1 Met23Leu)
- 8 *Rana pipiens* ribonuclease amino acid with Met at position 1 and Met24Leu
(recombinant Met(-1) RaPLR1 Met23Leu)
- 9 *Rana pipiens* ribonuclease amino acid with (His)₆, Met at position 7 and
Met30Leu (recombinant Met(-1) RaPLR1 Met23Leu-(His)₆)
- 10 *Rana pipiens* ribonuclease cDNA with Gln1Ser (recombinant RaPLR1 Q1S)
- 11 *Rana pipiens* ribonuclease amino acid with Gln1Ser (recombinant RaPLR1 Q1S)
- 12 *Rana pipiens* ribonuclease cDNA with Met at position 1 and Gln2Ser
(recombinant Met(-1) RaPLR1 Q1S)
- 13 *Rana pipiens* ribonuclease amino acid with Met at position 1 and Gln2Ser
(recombinant Met(-1) RaPLR1 Q1S)
- 14 *Rana catesbeiana* oocyte ribonuclease synthetic gene cDNA (RaCOR1)
- 15 *Rana catesbeiana* oocyte ribonuclease synthetic gene amino acid (RaCOR1)
- 16 *Rana catesbeiana* ribonuclease cDNA with Met at position 1
(recombinant Met(-1) RaCOR1)
- 17 *Rana catesbeiana* ribonuclease amino acid with Met at position 1
(recombinant Met(-1) RaCOR1)
- 18 *Rana catesbeiana* ribonuclease cDNA with Met22Leu and Met57Leu
(recombinant RaCOR1 Met22Leu Met57Leu)
- 19 *Rana catesbeiana* ribonuclease amino acid with Met22Leu and Met57Leu
(recombinant RaCOR1 Met22Leu Met57Leu)
- 20 *Rana catesbeiana* ribonuclease cDNA with Met at position 1, Met23Leu and
Met58Leu (recombinant Met(-1) RaCOR1 Met22Leu Met57Leu)
- 21 *Rana catesbeiana* ribonuclease amino acid with Met at position 1, Met23Leu and
Met58Leu (recombinant Met(-1) RaCOR1 Met22Leu Met57Leu)
- 22 *Rana catesbeiana* ribonuclease amino acid with (His)₆, Met at position 7,
Met23Leu and Met58Leu
(recombinant Met(-1) RaCOR1 Met22Leu Met57Leu-(His)₆)
- 23 *Rana catesbeiana* ribonuclease cDNA with Gln1Ser (recombinant RaCOR1 Q1S)
- 24 *Rana catesbeiana* ribonuclease amino acid with Gln1Ser
(recombinant RaCOR1 Q1S)
- 25 *Rana catesbeiana* ribonuclease cDNA with Met at position 1 and Gln2Ser
(recombinant Met(-1) RaCOR1 Q1S)

09061400-092501

- 2
- 26 *Rana catesbeiana* ribonuclease amino acid with Met at position 1 and Gln2Ser
(recombinant Met(-1) RaCOR1 Q1S)
 - 27 *Rana pipiens* ribonuclease Clone 5a1b cDNA insert
 - 28 *Rana pipiens* ribonuclease Clone 5a1b amino acid with signal peptide
 - 29 CAAX motif to target heterologous proteins to the plasma membrane
 - 30 *Rana pipiens* forward degenerate primer
 - 31 *Rana pipiens* reverse degenerate primer
 - 32 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 33 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 34 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 35 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 36 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 37 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 38 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 39 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 40 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 41 *Rana catesbeiana* ribonuclease synthetic gene (RaCOR1) oligonucleotide
 - 42 *Rana catesbeiana* insertion primer for *NdeI* restriction site
 - 43 six histidine residue tag at amino terminus

09061400-092501
T09260-004T9660

SEQ ID NO:1/2

DNA sequence 312 b.p.

linear

caa gac tgg ccc acg tcc cag aag aag cac ctg aca aac acc cgg gac gcc gac tgc aac
gln asp trp leu thr phe gln lys lys his leu thr asn thr arg asp val asp cys asn
aac acc acg cca aca aac tgg tcc cac tgc aag gac aag aac acc tcc acc tac tca cgc
asn ile met ser thr asn leu phe his cys lys asp lys asn thr phe ile tyr ser arg
ccc gag cca gtc aag gcc acc tgc aaa gga att ata gcc tcc aaa aac gtc cta acc acc
pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu thr thr
ccc gag tcc tac tcc tcc gat tgc aac gca aca agc agg ccc tgc aag tac aaa cta aag
ser glu phe tyr leu ser asp cys asn val thr ser arg pro cys lys tyr lys leu lys
aaa cca acc aac aca tcc tgc gta att tgc gag aac caa gcc cca gca cat tcc gtc ggc
lys ser thr asn thr phe cys val thr cys glu asn gln ala pro val his phe val gly
gcc gga cat tgc
val gly his cys

RaPLR1

09961400-092501

SEQ ID NO:3/4

DNA sequence 315 b.p.

linear

caa gac tgg ccc acg ccc cag aag aag cac ctg aca aac acc cgg gat gcc gac tgc
 gln asp trp leu thr phe gln lys lys his leu thr asn thr arg asp val asp cys
 aat aat acc ctg cca aca aac ctg ccc cac tgc aag gat aag aac acc ccc acc tac cca
 asn asn ile leu ser thr asn leu phe his cys lys asp lys asn thr phe ile tyr ser
 cgt ccc gag cca gtc aag gcc acc tgc aaa gga atc ata gcc tcc aaa aat gtc cca acc
 arg pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu thr
 acc ccc gag ccc cac ccc ccc gat tgc aat gca aca agc agg ccc tgc aag cac aaa cca
 thr ser glu phe tyr leu ser asp cys asn val thr ser arg pro cys lys tyr lys leu
 aag aaa cca acc aac aca ccc tgc gca acc tgc gag aac cca gcc cca gca cac tcc ggc
 lys lys ser thr asn thr phe cys val thr cys glu asn gln ala pro val his phe val
 ggc gcc gga cac tgc
 gly val gly his cys

recombinant RaPLR1 Met23Leu

09061400.092501

SEQ ID NO:5/6

DNA sequence 115 b.p.

linear

atg caa gac tgg ccc acg ccc cag aag aag cac ctg aca aac acc cgg gat gcc gac cgt
mec gln asp crp leu chr phe gln lys lys his leu chr asn chr arg asp val asp cys
aac aac acc atg tca aca aac ctg ccc cac tgc aag gac aag aac acc ccc acc cac cca
asn asn ile met ser chr asn leu phe his cys lys asp lys asn chr phe ile tyr ser
cgc cct gag cca gtc aag gcc acc tgc aaa gga acc ata gcc ccc aaa aac gtc cca acc
arg pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu chr
acc cct gag cct tat ccc ccc gat tgc aac gca aca agc agg cct tgc aag cat aaa cca
chr ser glu phe tyr leu ser asp cys asn val chr ser arg pro cys lys tyr lys leu
aag aaa cca acc aac aca ccc tgc gca acc tgc gag aac caa gcc cca gca cat ccc gtc
lys lys ser chr asn chr phe cys val thr cys glu asn gln ala pro val his phe val
ggc gcc gga cat tgc
gly val gly his cys

recombinant Met(-1) RaPLR1

0961400.095501

SEQ ID NO:7/8

DNA sequence 315 b.p.

linear

atg caa gac tgg ctc acg ttc cag aag aag cac ctg aca aac acc cgg gat gtc gac tgc
 met gln asp trp leu thr phe gln lys lys his leu thr asn thr arg asp val asp cys
 aat aat att ctg tca aca aac ttg ttc cac tgc aag gac aag aac act ttt acc tat tca
 asn asn ile leu ser thr asn leu phe his cys lys asp lys asn thr phe ile tyr ser
 cgt cct gag cca gtg aag gcc atc tgc aaa gga att ata gcc tcc aaa aat gtg tta act
 arg pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu thr
 acc ttc gag ttc tat ttc ctc gat tgc aat gca aca agc agg cct tgc aag tat aaa tta
 thr ser glu phe tyr leu ser asp cys asn val thr ser arg pro cys lys tyr lys leu
 aag aza tca act aat aca ttc cgt gta act tgc gag aat caa gcc cca gta cat ttc gtg
 lys lys ser thr asn thr phe cys val thr cys glu asn gln ala pro val his phe val
 ggt gtc gga cat tgc
 gly val gly his cys

recombinant Met(-1) RaPLR1 Met23Leu

T05260" 00479660

SEQ ID NO:7/9

DNA sequence 315 b.p.

linear

(His)₆- atg caa gac cgg ccc acg ccc cag aag aag cac cgg aca aac acc cgg gat gcc gac cgc
mec gln asp crp leu thr phe gln lys lys his leu thr asn thr arg asp val asp cys
aac aat acc cgg cca aca aac cgg tcc cac tgc aag gac aag aac acc ccc acc cac cca
asn asn ile leu ser thr asn leu phe his cys lys asp lys asn thr phe ile tyr ser
cgc ccc gag cca gcg aag gcc acc cgc aaa gga att ata gcc ccc aaa aat gcg cca acc
arg pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu thr
acc gcc gag ccc cac ccc ccc gac tgc aac gca aca agc agg ccc tgc aag cac aaa cta
thr ser glu phe tyr leu ser asp cys asn val thr ser arg pro cys lys tyr lys leu
aag aaa cca acc aat aca ccc cgc gca acc cgc gag aac cca gcc cca gca cac ccc gcg
lys lys ser thr asn thr phe cys val thr cys glu asn gln ala pro val his phe val
ggc gcc gga cac cgc
gly val gly his cys

recombinant Met(-1) RaPLR1 Met23Leu-(His)₆

09961400.092501

SEQ ID NO:10/11

DNA sequence 315 b.p.

linear

tca gac tgg ctt acg ttt cag aag aag cac ctg aca aac acc cgg gat gtt gac tgt
ser asp trp leu thr phe gln lys lys his leu thr asn thr arg asp val asp cys
aac aat atc atg tca aca aac ttg ttc cac tgc aag gac aag aac act ttt atc tat tca
asn asn ile met ser thr asn leu phe his cys lys asp lys asn thr phe ile tyr ser
cgt cct gag cca gtg aag gcc atc tgt aaa gga att ata gcc tcc aaa aat gtg tta act
arg pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu thr
acc tct gag ttt tat ctc tct gat tgc aat gta aca agc agg cct tgc aag tat aaa tca
thr ser glu phe tyr leu ser asp cys asn val thr ser arg pro cys lys tyr lys leu
aag aaa tca act aat aca ttt tgt gta act tgt gag aat caa gct cca gta cat ttc gtg
lys lys ser thr asn thr phe cys val thr cys glu asn gln ala pro val his phe val
ggc gtc gga cat tgc
gly val gly his cys

recombinant RaPLR1 Q1S

09951400.092501

SEQ ID NO:12/13

DNA sequence 313 b.p.

linear

atg tca gac tgg ctt acg ttt cag aag aag cac ctg aca aac acc cgg gat gtt gac tgt
met ser asp trp leu thr phe gln lys lys his leu thr asn thr arg asp val asp cys
aat aat atc atg tca aca aac ttg ttc cac tgc aag gac aag aac act ttt atc tat tca
asn asn ile met ser thr asn leu phe his cys lys asp lys asn thr phe ile tyr ser
cgt cct gag cca gtg aag gcc atc tgt aaa gga att ata gcc tcc aaa aat gtg tta act
arg pro glu pro val lys ala ile cys lys gly ile ile ala ser lys asn val leu thr
acc tct gag ttt tat ctc tct gat tgc aat gta aca agc agg cct tgc aag tat aaa tta
thr ser glu phe tyr leu ser asp cys asn val thr ser arg pro cys lys tyr lys leu
aag aaa tca act aat aca ttt tgt gta act tgt gag aat caa gct cca gta cat ttc gtg
lys lys ser thr asn thr phe cys val thr cys glu asn gln ala pro val his phe val
ggt gtc gga cat tgc
gly val gly his cys

recombinant Met(-1) RaPLR1 Q1S

0961400.09501

SEQ ID NO:14/15

DNA sequence 330 b.p.

linear

CAG AAC TCG GCT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC ACT
 gln asn trp ala thr phe gln gln lys his ile ile asn thr pro ile ile cys asn thr
 ATC ATG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC ATC
 ile met asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe ile
 ATC TCT TCT GCT ACT ACT GTT AAA GGT ATC TGC ACT GGT GTT ATC AAC ATG AAC GTT CTG
 ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn met asn val leu
 TCT ACT ACT CGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG CGT CCG TGC
 ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro cys
 CCG TAG TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC CCG
 pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr pro
 GTT CAT TTC GCT GGT ATC CGT CGT TGC CCG
 val his phe ala gly ile gly arg cys pro

Rana catesbeiana synthetic gene & translated amino acid sequence

09961400.092501

SEQ ID NO:16/17

DNA sequence 333 b.p.

linear

ATG CAG AAC TGG GCT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC
 met gln asn trp ala chr phe gln gln lys his ile ile asn thr pro ile ile cys asn
 ACT ATC ATG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC
 chr ile met asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe
 ATC ATC TCT TCT GCT ACT ACT GTT AAA GCT ATC TGC ACT GGT GTT ATC AAC ATG AAC GTT
 ile ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn met asn val
 CTG TCT ACT ACT CGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG CGT CCG
 leu ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro
 TGC CCG TAC TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC
 cys pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr
 CCG GTT CAT TTC GCT GGT ATC GGT CGT TGC CCG
 pro val his phe ala gly ile gly arg cys pro

[Met-(-1)] *Rana catesbeiana* gene & translation of
expressed protein

00961400.092501
T05260.004960

SEQ ID NO:18/19

DNA sequence 333 b.p.

linear

CAG AAC TGG GCT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC
 gln asn trp ala thr phe gln gln lys his ile ile asn thr pro ile ile cys asn
 ACT ATC CTG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC
 thr ile leu asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe
 ATC ATC TCT TCT GCT ACT ACT GTT AAA GCT ATC TGC ACT GGT GTT ATC AAC CTG AAC GTT
 ile ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn leu asn val
 CTG TCT ACT ACT CGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG CGT CCG
 leu ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro
 TGC CCG TAC TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC
 cys pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr
 CCG GTT CAT TTC GCT GGT ATC GGT CGT TGC CCG
 pro val his phe ala gly ile gly arg cys pro

Rana catesbeiana gene with two mutations
 to regenerate pyroglutamic acid N-terminal

Met 22 Leu

Met 57 Leu

09961400-092501

SEQ ID NO:20/21..

DNA sequence 333 b.p.

linear

ATG CAG AAC TGG GGT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC
 met gln asn trp ala thr phe gln gln lys his ile ile asn thr pro ile ile cys asn
 ACT ATC CTG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC
 thr ile leu asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe
 ATC ATC TCT TCT GGT ACT ACT GTT AAA GGT ATC TGC ACT GGT GTT ATC AAC CTG AAC GTT
 ile ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn leu asn val
 CTG TCT ACT ACT CGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG CGT CCG
 leu ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro
 TGC CCG TAC TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC
 cys pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr
 CCG GTT CAT TTC GGT GGT ATC GGT CGT TGC CCG
 pro val his phe ala gly ile gly arg cys pro

[Met-(-1)] *Rana catesbeiana* gene with two mutations
 to regenerate pyroglutamic acid N-terminal

Met 22 Leu

Met 57 Leu

F05260-0049660

SEQ ID NO:20/22

DNA sequence 333 b.p.

linear

(His)₆- ATG CAG AAC TGG GCT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC
 met cln asn trp ala thr phe gln gln lys his ile ile asn thr pro ile ile cys asn
 ACT ATC CTG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC
 thr ile leu asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe
 ATC ATC TCT TCT GCT ACT ACT GTT AAA GCT ATC TGC ACT GGT GTT ATC AAC CTG AAC GTT
 ile ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn leu asn val
 CTG TCT ACT ACT GGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG GGT CCG
 leu ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro
 TGC CCG TAC TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC
 cys pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr
 CCG GTT CAT TTC GCT GGT ATC GGT CGT TGC CCG
 pro val his phe ala gly ile gly arg cys pro

[Met-(-1)] *Rana catesbeiana* gene with two mutations
 to regenerate pyroglutamic acid N-terminal

Met 22 Leu

Met 57 Leu

(His)₆

005260" 00479660

SEQ ID NO:23/24

DNA sequence 333 b.p.

linear

TCA AAC TGG GCT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC
 ser asn trp ala thr phe gln gln lys his ile ile asn thr pro ile ile cys asn
 ACT ATC ATG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC
 thr ile met asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe
 ATC ATC TCT TCT GCT ACT ACT GTT AAA GCT ATC TGC ACT GGT GTT ATC AAC ATG AAC GTT
 ile ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn met asn val
 CTG TCT ACT ACT CGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG CGT CCG
 leu ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro
 TGC CCG TAC TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC
 cys pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr
 CCG GTT CAT TTC GCT GGT ATC GGT CGT TGC CCG
 pro val his phe ala gly ile gly arg cys pro

Q1S Rana catesbeiana gene
 (serine in 1 position)

00961400-092501

SEQ ID NO:25/26

DNA sequence 333 b.p.

linear

ATG TCA AAC TGG GCT ACT TTC CAG CAG AAA CAT ATC ATC AAC ACT CCG ATC ATC TGC AAC
met ser asn trp ala thr phe gln gln lys his ile ile asn thr pro ile ile cys asn

ACT ATC ATG GAC AAC AAC ATC TAC ATC GTT GGT GGT CAG TGC AAA CGT GTT AAC ACT TTC
thr ile met asp asn asn ile tyr ile val gly gly gln cys lys arg val asn thr phe

ATC ATC TCT TCT GCT ACT ACT GTT AAA GCT ATC TGC ACT GGT GTT ATC AAC ATG AAC GTT
ile ile ser ser ala thr thr val lys ala ile cys thr gly val ile asn met asn val

CTG TCT ACT ACT CGT TTC CAG CTG AAC ACT TGC ACT CGT ACT TCT ATC ACT CCG CGT CCG
leu ser thr thr arg phe gln leu asn thr cys thr arg thr ser ile thr pro arg pro

TGC CCG TAC TCT TCT CGT ACT GAA ACT AAC TAC ATC TGC GTT AAA TGC GAA AAC CAG TAC
cys pro tyr ser ser arg thr glu thr asn tyr ile cys val lys cys glu asn gln tyr

CCG GTT CAT TTC GCT GGT ATC GGT CGT TGC CCG
pro val his phe ala gly ile gly arg cys pro

[Met-(-1)] Q1S *Rana catesbeiana* gene
(serine in 1 position)

09961400-092501

1	atcagttgct	catcgtttga	ccaagttggt	ttccatctga	agcaaatattt
51	atatataatt	tctcttatat	ataaaggcct	gatcacgact	tccagaatgt
					<u>M F</u>
101	ttccaaaatt	ctcattttctc	ctgatattttg	cagttgtttt	gagtctcact
	<u>P K F</u>	<u>S F L</u>	<u>L I F A</u>	<u>V V L</u>	<u>S L T</u>
151	cataagtcct	tatgtcaaga	ctgggttacg	tttcagaaga	agcacctgac
	<u>H K S L</u>	<u>C Q D</u>	<u>W L T</u>	<u>F Q K K</u>	<u>H L T</u>
201	aaacacccgg	gatgttgact	gtaataatat	catgtcaaca	aacttgttcc
	<u>N T R</u>	<u>D V D C</u>	<u>N N I</u>	<u>M S T</u>	<u>N L F H</u>
251	actgcaagga	caagaacact	tttatctatt	cacgtcctga	gccagtgaa
	<u>C K D</u>	<u>K N T</u>	<u>F I Y S</u>	<u>R P E</u>	<u>P V K</u>
301	gccatctgta	aaggaattat	agcctccaaa	aatgtgttaa	ctacctctga
	<u>A I C K</u>	<u>G I I</u>	<u>A S K</u>	<u>N V L T</u>	<u>T S E</u>
351	gtttttatctc	tctgattgca	atgtaacaag	caggccttgc	aagtataaat
	<u>F Y L</u>	<u>S D C N</u>	<u>V T S</u>	<u>R P C</u>	<u>K Y K L</u>
401	taaagaaatc	aactaataca	ttttgtgtaa	cttgtgagaa	tcaagctcca
	<u>K K S</u>	<u>T N T</u>	<u>F C V T</u>	<u>C E N</u>	<u>Q A P</u>
451	gtacattttcg	tgggtgtcgg	acattgctag	aaatatgttt	gacaaacagg
	<u>V H F V</u>	<u>G V G</u>	<u>H C *</u>		
501	atgtgataag	cagctgcaag	aaattattttt	gaagtgaatt	tactaaagac
551	actaattttg	cataaatttt	cccagagct	taccggtagt	aagaaaattc
601	caacagggag	ccaagcacag	aaagtaaaact	aaggagccaa	agtaattata
651	aaagtcacac	tggaccgctg	ctactgcact	cagatgacca	aatgagaaac
701	agacaaaaac	agcagagttg	ggaagcgcag	atccggggagg	tggcggggag
751	tcaattgggg	atggagtcca	tgtgagattt	ggaaccgttt	gttgctgggtg
801	aagcatgtgg	cgggtgcaca	gtacacatgg	ggaagaatag	tcggaattggc
851	cgggtctcgt	gtgggtgtgc	cggcggttga	gccaaaggtg	gtggggagat
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